



**WATER**

*"a better solution.."*

**Automatic Water Softener  
DS-2750 Series – 1" Valve  
15 to 30 Gallons Per Minute**

**DS 2750 Water Softeners** are a series of low cost units intended for small general purpose commercial applications, requiring flow rates of up to 30 gallons per minute. The DS-2750 Series softeners are constructed of materials selected for long life and durability. The DS-2750 control valve will cycle thousands of times with essentially hands-off maintenance. The result is that the DS-2750 series water softeners have become an industry standard.

**ADVANTAGES**



- Simple and reliable loose tolerance control valve.
- Adjustable salt dosages. A DS-2750 Series water softener can be set at low salt dosage for use in areas with capacity/pound salt restrictions, OR a high salt dosage to achieve a hardness leakage of less than 1.0 ppm.
- The DS-2750 Series softeners contain durable 8% crosslinked, High capacity ion exchange softener resin greatly reducing rebedding costs.
- The DS-2750 pressure vessel and brine tank are constructed from inert corrosion-proof materials. No more rusty softeners. The pressure vessels are FRP fiberglass tanks and the brine tank is molded polyethylene.

**DS-90-1**  
**Automatic Water Softener**

**For More Information Please Call  
1(800)CAL-WATER - (800) 225-9283**

## OPTIONS

- An optional turbine water meter is available for every **DS-2750 Series** water softener. The meter counts the gallons of water being softened, and at an adjustable pre-set quantity, the meter will schedule a regeneration to take place at an off-hour. When the 90-minute regeneration process is completed, the regenerated tank is put back into service automatically.
- **DS-2750 Series** units can be fitted to handle hot water applications.
- In highly turbid waters, a **DS-2750 Series** softener can be equipped with a backwash filter.

## APPLICATIONS

A **DS-2750 Series** water softener is ideal for any commercial or industrial application such as restaurants, laundries, car washes, boilers, cooling towers, ice houses, reverse osmosis systems, and many other applications where low cost and absolute reliability are key purchasing considerations.

## FLOW RATES AND CAPACITIES

Model	Pipe Size	Flow Rate GPM Cont./ Peak**	Ft <sup>3</sup> Resin /Vessel	Capacity In Grains	Pressure Vessel	Brine Tank
DS-60-1	1"	15 / 22	2	60,000	12" X 52"	22" X 36"
DS-90-1	1"	19 / 28	3	90,000	14" X 65"	24" X 48"
DS-120-1	1"	20 / 28	4	120,000	16" X 65"	24" X 48"
DS-150-1	1"	25 / 30	5	150,000	20" X 60"	24" X 48"

Maximum inlet pressure is 80 psi. Minimum inlet pressure is 35 psi. Maximum chlorine or other oxidizer content is 0.5 ppm. Maximum Iron content (Fe<sup>+++</sup>) is 5 ppm. Maximum inlet temperature is 90°F. Maximum turbidity is 5 NTU.

**Warranty:** All **DS-2750 Series** controls are backed by a 3-year warranty. **DS-2750 Series** pressure vessels have a 5-year warranty. All warranties are for parts and factory labor only, barring misuse or abuse. Warranties are specifically limited to the repair or replacement of the equipment.

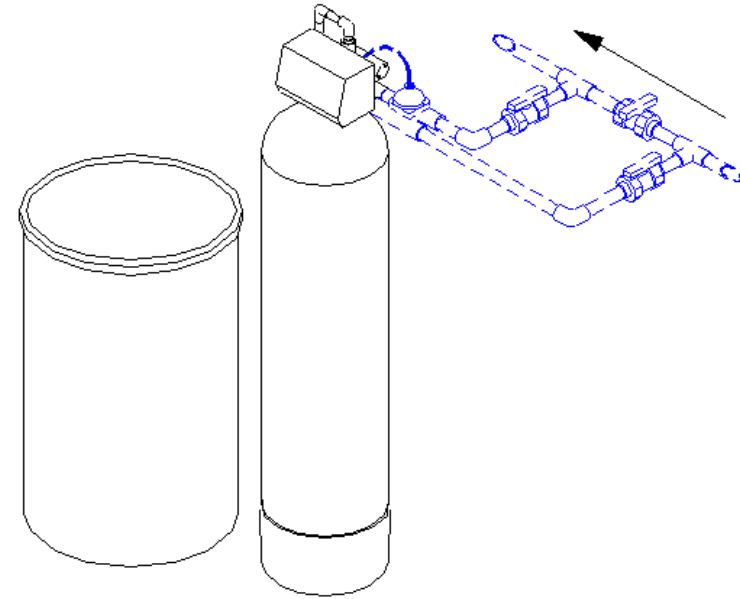
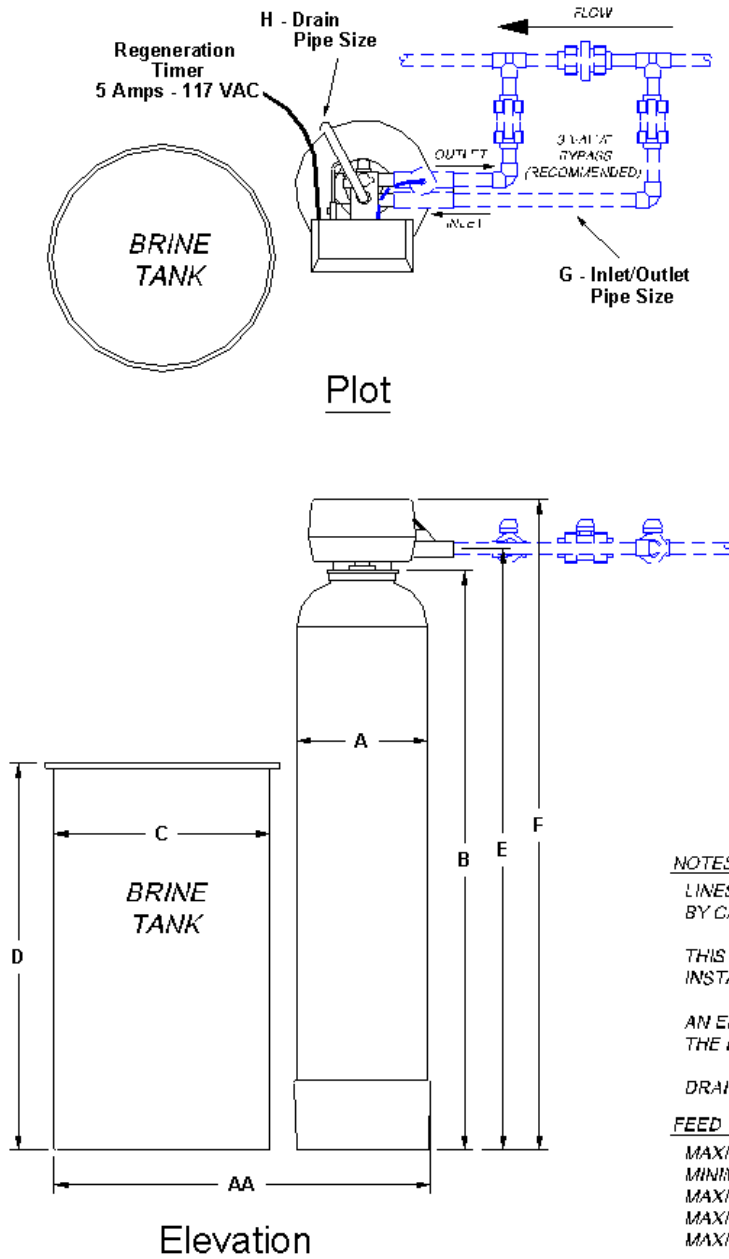
Cal-Water has been selling, installing and servicing water purification equipment since **1946**.

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Orange County (714) 835-7878  
Los Angeles County (323) 663-8335  
San Diego County (619) 457-8411

# DS-2750 Series Automatic Water Softeners

Model	Measurements are in inches								
	A	AA	B	C	D	E	F	G	H
DS-60	12	23	52	22	36	56	61	1	3/4
DS-90	14	26	65	24	48	69	74	1	3/4
DS-120	16	28	65	24	48	69	74	1	3/4
DS-150	22	34	60	24	48	64	69	1	3/4



## Typical Installation

### NOTES:

LINES IN BLUE REPRESENT OPTIONS OR PLUMBING TO BE DONE BY CAL WATER, OR BY OTHERS.

THIS DRAWING ILLUSTRATES THE RECOMMENDED METHOD OF INSTALLATION FOR A DS 2750 SERIES WATER SOFTENER.

AN ELECTRICAL OUTLET NEAR THE EQUIPMENT IS REQUIRED TO RUN THE REGENERATION TIMER. (5 AMPS - 117 VAC)

DRAIN LINE SHOULD BE TO ATMOSPHERE TO PREVENT BACK PRESSURE.

### FEED WATER SPECIFICATIONS

MAXIMUM INLET PRESSURE = 80 PSI.  
 MINIMUM INLET PRESSURE = 35 PSI.  
 MAXIMUM CHLORINE/OXIDIZER CONTENT = 0.5 PPM.  
 MAXIMUM INLET TEMPERATURE = 90°F.  
 MAXIMUM TURBIDITY = 5 NTU.

### Dimensions and Specifications

10/2002 | DRAWING NO.: DS-2750S.dwg



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